County Borough of Huddersfield.

MEDICAL OFFICER OF HEALTH'S

REPORT

For the 4th Quarter of the Year 1904.

S. G. MOORE, M.B., D.P.H.,

Medical Officer of Health

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Return of Births and Deaths registered during the 13 weeks ended 31st December, 1904.

Districts.	Census Population 1901.	Estimated Population at the middle of the year 1904.	Births Registered during the 13 weeks ended 31st December, 1904.	Deaths Registered during the 13 weeks ended 31st December 1904.	AGE MORTALITY. Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	SEVEN ZYMOTIC DISEASES. Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers. Typhoid.	Fevers. Other.	Diarrhœa.	Tuberculosis (all forms).	Bronchitis, Pneumonia, and Pleurisy.	Heart Diseases.	Cancer.	All other Diseases.	Rate of Mortality per 1000. All Causes. During the corresponding period year previous.	All Causes. During the 13 weeks ended 31st December, 1904	Zymotics. During the corresponding period year previous.	Zymotics. During the 13 weeks ended 31st December, 1904.
Huddersfield (Central)	24009	23397	142	110	22	9	24	..	...	..	...	..	..	...	3	8	30	14	3	52	13·61	18·87	0·34	0·51*
Marsh	8028	7924	44	23	3	3	5	..	1	...	..	..	..	..	...	1	5	2	1	13	14·63	11·65	...	0·51
Fartown	10727	11101	66	40	6	4	9	..	...	..	..	..	..	..	...	2	9	4	8	17	14·98	14·46	0·63	...
Deighton and Bradley	2166	2130	16	6	1	...	2	..	...	..	..	..	..	..	..	...		.	1	5	24·37	11·31	1·87	...
Dalton	8521	8554	49	42	7	1	15	..	...	..	1	...	..	..	...	1	7	3	4	26	14·09	19·71	...	0·47†
Almondbury	14436	14300	73	64	7	5	22	..	...	..	1	2	...	..	..	9	14	7	4	27	13·15	17·96	0·28	0·84
Lockwood	13365	13786	93	57	13	2	18	..	1	...	1	...	..	..	1	2	22	6	3	21	12·93	16·59	0·29	0·87º
Lindley	8445	8402	39	25	4	3	5	..	...	...	3	...	...	..	...	7	4	4	2	5	17·65	11·94	..	1·43
Longwood	5359	5342	29	19	7	1	3	..	..	..	..	...	..	..	...	4	8	1	..	6	10·51	14·28	..	...
Infirmary (Central) ...	..	..	..	22	..	3	4	.	...	..	...	..	..	..	...	.	2	1	..	19	..	..	..	..
Hospital (Dalton)	..	..	..	12	...	5	...	1	..	6	..	..	4	..	..	1	...	...	..	...	..	..	..	..
Workhouse (Lockw'd)	..	..	3	13	...	..	4	..	...	..	...	..	...	..	...	...	8	1	...	4	..	..	..	..
Workho'se Deanhouse	..	..	..	4	...	..	3	...	...	..	..	...	...	.	...	...	...	...	.	4	..	..	.	...
Borough	95056	94936	554	437	70	36	114	1	2	6	6	2	4	..	4	35	109	43	26	193	..	..	..	..
Rate per 1,000 of Estimated Population ...	..	..	23·42	18·48	..	..	..	0·04	0·08	0·25	0·25	0·08	0·17	..	0·17	1·48	4·61	1·82	1 10	8·41	16·61	18·48	0·68	1·06

* Central, with Infirmary 22·64
† Dalton, with Fever Hospital 25·34.
º Lockwood, with Workhouse 20·37.

Deaths of Children under one year per 1000 births, 126
" " Previous corresponding period 125.

Death Rate of 76 large Towns 17·46.
Death Rate (Zymotic) " 1·57.
Birth Rate 28·13.

TO THE CHAIRMEN AND MEMBERS OF THE HEALTH AND SANITARY COMMITTEES.

CHAIRMEN AND GENTLEMEN,

The report for the fourth quarter of the year includes the 13 weeks ended December 31st, 1904.

During this period there were 554 births registered, equalling a birth-rate of 23.42 per 1,000, comparing with 582, and a rate of 24·60 for the corresponding period in 1903.

Four hundred and thirty-seven deaths have been registered during this period, which is equal to a rate of 18·48, as compared with 393, and a rate of 16.61 for the same period last year.

The deaths included 70 in infants under 1 year of age, 36 in children over 1 but under 5 years of age, and 114 in persons aged 65 years and upwards. During this quarter Small-pox has caused 1 death, Measles 2 deaths, Scarlet Fever 6 deaths, Diphtheria 6 deaths, Whooping Cough 2 deaths, Typhoid Fever 4 deaths, Diarrhœa 4 deaths, Tubercular Disease caused 35 deaths, Bronchitis, Pneumonia, and Pleurisy, 109 deaths, Heart Diseases 43 deaths, and Cancer 26 deaths.

The deaths of children under 1 year of age is at the rate of 126 per 1,000 births registered, corresponding with 125 for the same period last year.

The local district death-rates ranged from 11.31 in Deighton and Bradley, 11.65 in Marsh, to 18.87 in Huddersfield (Central), and 19.71 in Dalton.

The death-rate from the seven Zymotic Diseases during this period was 1.06 per 1,000, compared with 0.68 last year. The death-rate from Typhoid Fever was 0·17, Diarrhœa 0 17, and from Scarlet Fever 0.25, Diphtheria 0.25 per 1,000.

During the quarter under review 366 cases of infectious diseases were reported as against 1,108 last year. These were made up as follows:—Small-pox 16, Measles and German Measles 109, Scarlet Fever 197, Diphtheria 16, Typhoid Fever 21, Erysipelas 3, Puerperal Fever 3, and 1 doubtful case.

The quarter commenced with 7 Small-pox, 70 Scarlet Fever, 7 Diphtheria, and 18 Typhoid Fever in the Hospital; and 216 cases made up of 16 Small-pox, 179 Scarlet Fever, 20 Typhoid Fever, and 1 doubtful case were admitted. The discharges numbered 257, made up of 20 Small-pox, 204 Scarlet Fever, 7 Diphtheria, and 26 Typhoid Fever, and 12 deaths (1 Small-pox, 6 Scarlet Fever, and 4 Typhoid Fever, and 1 doubtful case) occurred during the period, leaving under treatment at the Hospital a total of 49 cases, namely, 2 Small-pox, 39 Scarlet Fever, and 8 Typhoid Fever.

The sanitary work of the department includes 3,668 inspections of premises, on 482 of which nuisances were found to exist. Eighty-seven canal boats, 18 dairies and milkshops, 147 cowsheds, 15 bakehouses, and 44 factories and workshops. One thousand five hundred and sixty visits have been paid to the markets and shops, and 315 re-visits made to work in progress.

Sixty-four nuisances have been reported at this office, all of which were visited forthwith, and attended to if found

necessary. One hundred and fifty-eight preliminary notices have been sent to owners, 190 owners seen personally, and 181 legal notices have been issued for the abatement of nuisances.

The drains of 218 premises where infectious disease has occurred have been flushed, 473 other premises, yards, or courts have been similarly attended to. One hundred and fifteen drains were found by the flushers to be choked, and in 110 cases they were able to effect a clearance without opening the ground.

Eighty-four visits have been paid under the Food and Drugs Acts, and 68 samples purchased, of which one was found to be adulterated.

S. G. Moore.

Medical Officer of Health.

Public Health Department,

Huddersfield, February, 1905.

The following Table shows the Deaths registered, and the Causes of Sickness reported for each week of the Quarter—4th Quarter, 1904.

1904.	Oct. 8	Oct. 15	Oct. 22	Oct. 29	Nov. 5	Nov. 12	Nov. 19	Nov. 26	Dec. 3	Dec. 10	Dec. 17	Dec. 24	Dec. 31	Av'rage	Totals
Cases notified as Infectious, &c. .	34	46	45	35	34	29	20	23	23	19	22	21	15	28	366
Do. Scarlet Fever only	18	14	24	20	22	17	10	11	14	11	13	13	10	15	197
Do. Typhoid Fever only	5	..	2	3	1	2	2	..	2	3	1	..	1	2	22
Do. Measles only	7	28	15	9	8	6	3	10	5	4	6	5	3	8	109
* Admissions to Hospital	23	15	24	23	27	19	14	8	16	11	15	13	9	17	217
Deaths, all causes	32	35	30	22	25	32	29	20	25	33	44	58	52	34	437
Do. Seven Zymotic Diseases .	5	3	2	..	2	2	3	4	..	1	..	2	1	2	25
Do. Small-pox only	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Do. Measles only	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Do. Scarlet Fever only	..	..	1	..	2	1	..	..	..	..	..	2	..	..	6
Do. Diphtheria only	2	..	1	..	..	..	1	1	..	1	..	..	..	..	6
Do. Whooping Cough only ..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	2
Do. Enteric Fever only.....	..	2	..	..	..	..	1	1	..	..	..	..	..	..	4
Do. Diarrhœa only.....	1	1	..	..	..	1	..	..	..	..	..	..	1	..	4
Death Rate—Huddersfield	17·59	19·24	16·49	12·09	13·74	17·59	15·94	10·99	13·74	18·14	24·18	31·88	28·58		
Do. 76 Large Towns ..	15·11	15·17	15·93	14·97	14·94	15·74	16·63	17·34	21·61	18·54	19·24	19·39	22·44		

* Includes cases admitted from outside Borough.

The following table shows the Meteorological Conditions for each week of the Quarter—4th Quarter, 1904.

1904 Week ending Tuesday	Oct. 11	Oct. 18	Oct. 25	Nov. 1	Nov. 8	Nov. 15	Nov. 22	Nov. 29	Dec. 6	Dec. 13	Dec. 20	Dec. 27	Jan. 3	Aver'ge	Totals
Barometer (corr. to sea level), ins.	29·89	30·07	30·03	30·23	30·02	30·06	30·04	29·77	29·61	29·37	29·96	30·14	30·25	29·96	..
Temperature, Deg. F. — Lowest night, grass	40·8	33·9	41·0	40 4	39·5	34·8	32·4	23·7	35·9	27·4	32·6	25·6	32·6	33·9	..
Temperature, Deg. F. — ,, air	44·6	37·2	46·1	42·9	43·0	37·2	37·4	29·6	41·3	30·3	35·0	24·9	37·0	37·4	..
Temperature, Deg. F. — Highest day, shade	54·1	54·5	56·6	52 3	50·2	50·1	44·0	39·2	47·6	38·8	43·0	33·1	44·8	46·8	..
Temperature, Deg. F. — ,, sun	80·3	69·3	53 4	42·8	47·7	38·7	32 8	31·9	52·1	17·1	25·6	6·0	31·5	40·7	..
Wind. — Maximum miles per hour	22	14	10	8	23	14	19	16	19	15	10	1	28	15	..
Sunshine hours (total)	23·2	29·9	20·6	10·7	7·9	10·2	10·8	8·1	8·2	8·0	6·8	2·3	9·4	..	156·1
Rainfall ins. (total)	0·47	0·37	0·12	0·01	1·27	0·28	0·87	0·02	0·52	0·72	0·53	..	0·36	..	55·4
Moisture of air, 100 = saturation	74	74	76	80	81	78	80	80	82	77	83	77	81	79	..
Mean temp. of week in air	49.4	45·8	51·4	47.6	46·6	43·6	40·7	34·4	44·4	34·5	39·0	29·0	40·9	42·1	..
At 2ft. 6in. in ground	51·5	49·5	50·0	49·0	48·7	47·5	45·5	43·0	43·0	41·7	42·0	39·5	39·7	45·4	..
At 4ft. 6in. ,,	52·5	52·0	51·2	51·0	50·2	49·5	48·7	48·0	46·5	46·0	45·0	44·5	43·5	48·4	..
Total sunshine per cent	32	42	30	18	13	18	20	16	18	19	16	6	21	..	269
Total horizontal movement of the wind	1155 miles	660 miles	575 miles	740 miles	1550 miles	835 miles	1440 miles	955 miles	1010 miles	860 miles	745 miles	85 miles	1745 miles	..	..

Cases of Infectious Disease notified during 4th Quarter, 1904.

Notifiable Diseases.	Cases notified in whole District.							Total cases notified in each Locality.									No. of Cases removed to Sanatorium from each locality.								
	At all ages.	At Ages—Years.						1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	Central.	Marsh.	Fartown.	Deighton and Bradley.	Dalton.	Almondbury.	Lockwood.	Lindley.	Longwood.	Central.	Marsh.	Fartown.	Deighton and Bradley.	Dalton.	Almondbury.	Lockwood.	Lindley.	Longwood.
Small-pox	16	..	..	2	1	13	..	6	3	2	..	3	1	1	..	..	6	3	2	..	3	1	1	..	..
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria	16	1	6	7	..	2	..	..	..	3	..	3	1	3	6	..	..	..	..	..	..	..	..	..	..
Membranous croup ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas	3	..	..	..	1	2	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Scarlet fever	197	1	29	132	25	10	..	41	23	34	2	11	18	30	29	9	36	19	29	2	10	18	29	27	9
Typhus fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric fever	21	..	1	3	4	13	..	6	..	2	..	8	1	3	1	..	5	..	2	..	6	1	4	1	..
Relapsing fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal fever ..	3	..	..	..	1	2	..	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles & Rotheln ..	109	15	58	34	..	2	..	23	56	2	1	1	4	13	8	1	..	..	..	..	..	..	..	..	..
Doubtful	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Totals	366	17	94	178	32	45	..	79	83	43	3	26	26	51	44	11	48	22	33	2	19	20	34	28	9

HUDDERSFIELD SANATORIUM.

Report of patients in the Hospital for 13 weeks ended Saturday, 31st of December, 1904.

	1 Small-Pox.	2 Scarlet Fever.	3 Diphtheria.	4 Enteric, or Typhoid Fever.	5 Doubtful	6 Total.
No. in hospital on Saturday, 1st October, 1904	7	70	7	18	..	102
*No. since admitted ..	16	179	..	20	1	216
No. discharged	20	204	7	26	..	257
No. died..	1	6	..	4	1	12
No. remaining in hospital	2	39	..	8	..	49

* Includes cases admitted from outside the Borough.

REMOVAL OF NUISANCES.

Drains requiring Re-construction	38
,, ,, connecting with main sewer	6
,, not Efficiently Trapped	95
,, Requiring Ventilation Shafts	60
Defective Sink Pipes and Drains	206
,, Yard Drains	53
,, Cellar Drains...	13
,, Eave and Fall Pipes	59
,, Roofing	18
,, Urinal	—
,, Baths	5
,, Water Closets	7
Waste Pipes Requiring Disconnecting	45
Fall Pipes Requiring Disconnecting	114
To Provide Eave and Fall Pipes	12
,, Sinkstones in Houses	4
Nuisances from Want of Drains	2
,, Water in Cellar	4
,, Cellar Wells	—
,, Cess Pools	1
,, Street Gullies	24
,, Stagnant Water	32
,, Defective Surface of Yard	9
,, Smoke	1
,, Poultry, Pigeons, and Animals... ...	4
Offensive Accumulations	30
Offensive Ashpits and Privies	27
,, Swill Tubs	—
,, Urine Receptacles	—
Urine Guards Required...	14
Closets Requiring Lime-washing	10
Ashpits and Closets Requiring Re-construction ...	29
,, ,, Requiring Proper Doors & Covering	57
Old Privies requiring alteration to Tub or Water Carriage system	25
Insufficient Closet Accommodation...	22
Houses Overcrowded	2
,, Unfit for Habitation	1
,, Requiring Cleansing	2
,, Requiring Ventilation...	6
,, Damp	38
,, Requiring Water Supply	—
Workshops requiring Lime-Washing	1
Cowsheds requiring Lime-washing	1
,, ,, Draining	2
,, ,, Lighting	2
,, ,, Paving	2
,, ,, Ventilation	2
Bakehouses Requiring Lime-washing or Cleansing ...	—
,, ,, Ventilation	—
Total	1085

SUMMARY OF WORK DONE.

Number of premises where Zymotic Diseases have occurred	280
,, Inspected ,, ,,	280
,, Disinfected ,, ,,	369
,, Flushed ,, ,,	218
,, Visited searching for Fever	4441
,, Re-visits where cases are Isolated at Home	332
,, Houses visited for zymotic particulars ...	412
Total number of Visits to Infected Houses	5561
Infectious Diseases reported	366
Cases removed to Hospital	217
Number of Articles Disinfected by Lyon's Disinfector	35543
Number of Visits in deaths from Phthisis	61
,, ,, Under One	60
Number of Premises Flushed by request of owners (paid for)	30
Other Premises, Yards, or Courts Flushed	473
Drains found choked by Flushers	115
,, made clear ,, ...	110
Number of Tubs Registered	79
,, applications received to empty Ashpits and Privies	64
,, ,, ,, Receptacles	11
Nuisances reported at Sanitary Office	64
,, inspected	64
Inspection of premises where Nuisances are found ...	482
,, ,, where no Nuisances are found	335
,, Premises where Offensive Trades are conducted	8
,, of Dwelling-houses in house to house visitation	—
,, of Cellar Dwellings	—
,, of Houses let in lodgings and Common Lodging Houses	154

Inspection of Workshops	10
,, Factories	40
,, Schools	—
,, Slaughter Houses	1
,, Canal Boats	87
,, Dairies and Milkshops	18
,, Cowsheds	147
,, Bakehouses	15
,, Markets and Shops	1560
,, Van Dwellings	—
Re-visits to work in progress	315
Visits to Property under notice	496
Total number of Inspections of Premises	3668
Number of Entries in Report Books	189
Preliminary Notices to owners	158
Number of Legal Notices issued for abatement or abolition of Nuisances	181
Owners seen personally...	190
Summonses taken out	1
New Houses certified as satisfactory	108
Sections of New Drains tested	54
,, ,, and satisfactory at first test ...	54
Old Drains tested	27
,, ,, and found sound	8
,, ,, ,, defective	19
Smoke Observations taken	14
Number of Visits under Food and Drug Acts	84
Food and Drugs—Samples purchased	68
,, ,, ,, adulterated	1
Meat, seizures made or destroyed	—
Fish	—
Water Samples taken for analysis	6
,, polluted	1